



Substitute for form 1449A <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	10/713,219
		Filing Date	November 17, 2003
		First Named Inventor	Shinji MAEKAWA et al.
		Art Unit	2813
		Examiner Name	Laura M. Schillinger
Sheet	1	of	5
		Attorney Docket Number	740756-2670

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
[Signature]		US-2001/0034088	10/25/2001	Nakamura, et al.	
		US-2002/0028543	03/07/2002	Yamazaki, et al.	
		US-2002/0086469	07/04/2002	Kim, et al.	
		US-2002/0102764	08/01/2002	Yamazaki, et al.	
		US-2002/0106861	08/08/2002	Yamazaki	
		US-2002/0142554	10/03/2002	Nakajima	
		US-2002/0151120	10/17/2002	Yamazaki, et al.	
		US-2002/0151154	10/17/2002	Yamazaki, et al.	
		US-2002/0164843	11/07/2002	Yamazaki, et al.	
		US-2002/0187594	12/12/2002	Yamazaki, et al.	
		US-2002/0197785	12/26/2002	Yamazaki, et al.	
		US-2003/0060057	03/27/2003	Raaijmakers, et al.	
		US-2003/0062499	04/03/2003	Yamazaki	
		US-2003/0122129	07/03/2003	Yamazaki, et al.	
		US-2003/0132900	07/17/2003	Yamauchi, et al.	
		US-2003/0197179	10/23/2003	Yamazaki, et al.	
		US-2004/0065902	04/08/2004	Yamazaki, et al.	
		US-3,535,775	10/27/1970	Garfinkel, et al.	
		US-4,371,403	02/01/1983	Ikubo, et al.	
		US-4,477,308	10/16/1984	Gibson, et al.	
		US-4,534,820	08/13/1985	Mori, et al.	
		US-4,727,044	02/23/1988	Yamazaki, et al.	
		US-5,244,819	09/14/1993	Yue	
		US-5,248,630	09/28/1993	Serikawa, et al.	
		US-5,275,896	01/04/1994	Garofalo, et al.	
		US-5,403,772	04/04/1995	Zhang, et al.	
		US-5,426,064	06/20/1995	Zhang, et al.	
		US-5,481,121	01/02/1996	Zhang, et al.	
		US-5,488,000	01/30/1996	Zhang, et al.	
		US-5,492,843	02/20/1996	Adachi, et al.	
		US-5,501,989	03/26/1996	Takayama, et al.	
		US-5,508,533	04/16/1996	Takemura	
		US-5,529,937	06/25/1996	Zhang, et al.	
		US-5,534,716	07/09/1996	Takemura	
		US-5,543,352	08/06/1996	Ohtani, et al.	
		US-5,550,070	08/27/1996	Funai, et al.	
		US-5,551,984	09/03/1996	Tanahashi	
		US-5,563,426	10/08/1996	Zhang, et al.	
		US-5,569,610	10/29/1996	Zhang, et al.	
		US-5,569,936	10/29/1996	Zhang, et al.	

Examiner Signature	[Signature]	Date Considered	1/5/05
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		Examiner Name	Laura M. Schillinger		
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		Number - Kind Code <sup>2</sup> (if known)			
[Signature]		US-5,580,792	12/03/1996	Zhang, et al.	
		US-5,585,291	12/17/1996	Ohtani, et al.	
		US-5,589,694	12/31/1996	Takayama, et al.	
		US-5,595,923	01/21/1997	Zhang, et al.	
		US-5,595,944	01/21/1997	Zhang, et al.	
		US-5,604,360	02/18/1997	Zhang, et al.	
		US-5,605,846	02/25/1997	Ohtani, et al.	
		US-5,606,179	02/25/1997	Yamazaki, et al.	
		US-5,608,232	03/04/1997	Yamazaki, et al.	
		US-5,612,250	03/18/1997	Ohtani, et al.	
		US-5,614,426	03/25/1997	Funada, et al.	
		US-5,614,733	03/25/1997	Zhang, et al.	
		US-5,616,506	04/01/1997	Takemura	
		US-5,620,910	04/15/1997	Teramoto	
		US-5,621,224	04/15/1997	Yamazaki, et al.	
		US-5,624,851	04/29/1997	Takayama, et al.	
		US-5,637,515	06/10/1997	Takemura	
		US-5,639,698	06/17/1997	Yamazaki, et al.	
		US-5,643,826	07/01/1997	Ohtani, et al.	
		US-5,646,424	07/08/1997	Zhang, et al.	
		US-5,654,203	08/05/1997	Ohtani, et al.	
		US-5,656,825	08/12/1997	Kusumoto, et al.	
		US-5,663,077	09/02/1997	Adachi, et al.	
		US-5,677,549	10/14/1997	Takayama, et al.	
		US-5,696,003	12/09/1997	Makita, et al.	
		US-5,696,386	12/09/1997	Yamazaki	
		US-5,696,388	12/09/1997	Funada, et al.	
		US-5,700,333	12/23/1997	Yamazaki, et al.	
		US-5,705,829	01/06/1998	Miyanaga, et al.	
		US-5,712,191	01/27/1998	Nakajima, et al.	
		US-5,744,824	04/28/1998	Kousai, et al.	
		US-5,773,327	06/30/1998	Yamazaki, et al.	
		US-5,814,540	09/29/1998	Takemura, et al.	
		US-5,843,225	12/01/1998	Takayama, et al.	
		US-5,851,860	12/22/1998	Makita, et al.	
		US-5,869,363	02/09/1999	Yamazaki, et al.	
		US-5,888,858	03/30/1999	Yamazaki, et al.	
		US-5,893,730	04/13/1999	Yamazaki, et al.	
		US-5,897,347	04/27/1999	Yamazaki, et al.	
		US-5,915,174	06/22/1999	Yamazaki, et al.	
		US-5,923,962	07/13/1999	Ohtani, et al.	

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				Examiner Name	Laura M. Schillinger
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RL		US-5,932,893	08/03/1999	Miyanaaga, et al.	
		US-5,949,115	09/07/1999	Yamazaki, et al.	
		US-5,956,579	09/21/1999	Yamazaki	
		US-5,960,252	09/28/1999	Matsuki, et al.	
		US-5,961,743	10/05/1999	Yamazaki, et al.	
		US-5,970,327	10/19/1999	Makita, et al.	
		US-5,977,559	11/02/1999	Zhang, et al.	
		US-5,985,740	11/16/1999	Yamazaki, et al.	
		US-5,997,286	12/07/1999	Hemsath, et al.	
		US-5,998,838	12/07/1999	Tanabe, et al.	
		US-6,013,544	01/11/2000	Makita, et al.	
		US-6,015,593	01/18/2000	Yonkoski, et al.	
		US-6,022,458	02/08/2000	T. Ichikawa	
		US-6,027,987	02/22/2000	Yamazaki, et al.	
		US-6,063,654	05/16/2000	Ohtani	
		US-6,066,518	05/23/2000	Yamazaki	
		US-6,071,764	06/06/2000	Zhang, et al.	
		US-6,071,766	06/06/2000	Yamazaki, et al.	
		US-6,072,193	06/06/2000	Ohnuma, et al.	
		US-6,077,731	06/20/2000	Yamazaki, et al.	
		US-6,077,758	06/20/2000	Zhang, et al.	
		US-6,083,324	07/04/2000	Henley, et al.	
		US-6,084,247	07/04/2000	Yamazaki, et al.	
		US-6,087,679	07/11/2000	Yamazaki, et al.	
		US-6,093,934	07/25/2000	Yamazaki, et al.	
		US-6,100,562	08/08/2000	Yamazaki, et al.	
		US-6,111,557	08/29/2000	Koyama, et al.	
		US-6,121,660	09/19/2000	Yamazaki, et al.	
		US-6,133,073	10/17/2000	Yamazaki, et al.	
		US-6,133,075	10/17/2000	Yamazaki, et al.	
		US-6,133,119	10/17/2000	Yamazaki	
		US-6,153,445	11/28/2000	Yamazaki, et al.	
		US-6,156,590	12/05/2000	Yamazaki, et al.	
		US-6,156,628	12/05/2000	Ohnuma, et al.	
		US-6,160,268	12/12/2000	Yamazaki	
		US-6,162,667	12/19/2000	Funai, et al.	
		US-6,162,704	12/19/2000	Yamazaki, et al.	
		US-6,165,824	12/26/2000	Takano, et al.	
		US-6,168,980	01/02/2001	Yamazaki, et al.	
		US-6,168,981	01/02/2001	Battaglia, et al.	
		US-6,180,439	01/30/2001	Yamazaki, et al.	
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JLS		US-6,184,559	02/06/2001	Hayakawa, et al.	
		US-6,194,255	02/27/2001	Hiroki, et al.	
		US-6,197,624	03/06/2001	Yamazaki	
		US-6,201,585	03/13/2001	Takano, et al.	
		US-6,204,101	03/20/2001	Yamazaki, et al.	
		US-6,204,154	03/20/2001	Zhang, et al.	
		US-6,207,969	03/27/2001	Yamazaki	
		US-6,218,219	04/17/2001	Yamazaki, et al.	
		US-6,225,152	05/01/2001	Yamazaki, et al.	
		US-6,232,205	05/15/2001	H. Ohtani	
		US-6,232,621	05/15/2001	Yamazaki, et al.	
		US-6,242,290	06/05/2001	Nakajima, et al.	
		US-6,251,712	06/26/2001	Tanaka, et al.	
		US-6,255,195	07/03/2001	Linn, et al.	
		US-6,285,042	09/04/2001	Ohtani, et al.	
		US-6,287,900	09/11/2001	Yamazaki, et al.	
		US-6,287,988	09/11/2001	Nagamine, et al.	
		US-6,291,275	09/18/2001	Yamazaki, et al.	
		US-6,294,444	09/25/2001	Yamazaki	
		US-6,303,963	10/16/2001	Ohtani, et al.	
		US-6,306,694	10/23/2001	Yamazaki, et al.	
		US-6,307,214	10/23/2001	Ohtani, et al.	
		US-6,316,789	11/13/2001	Yamazaki, et al.	
		US-6,316,810	11/13/2001	Yamazaki, et al.	
		US-6,331,457	12/18/2001	Yamazaki, et al.	
		US-6,337,259	01/08/2002	Ueda, et al.	
		US-6,346,730	02/12/2002	Kitakado, et al.	
		US-6,362,507	03/26/2002	Ogawa, et al.	
		US-6,376,336	04/23/2002	Buynoski	
		US-6,391,690	05/21/2002	Miyasaka	
		US-6,396,147	05/28/2002	Adachi, et al.	
		US-6,399,454	06/04/2002	Yamazaki	
		US-6,399,988	06/04/2002	Yamazaki	
		US-6,420,758	07/16/2002	Nakajima	
		US-6,426,276	07/30/2002	Ohnuma, et al.	
		US-6,429,097	08/06/2002	Voutsas, et al.	
		US-6,436,745	08/20/2002	Gotou, et al.	
		US-6,461,943	10/08/2002	Yamazaki, et al.	
		US-6,489,189	12/03/2002	Yamazaki, et al.	
		US-6,512,504	01/28/2003	Yamauchi, et al.	
		US-6,531,713	03/11/2003	Yamazaki	

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JS		US-6,534,826	03/18/2003	Yamazaki	
		US-6,541,294	04/01/2003	Yamazaki, et al.	
		US-6,576,926	06/10/2003	Yamazaki, et al.	
		US-6,579,736	06/17/2003	Yamazaki	
		US-6,680,577	01/20/2004	Inukai, et al.	
		US-6,709,902	03/23/2004	Kitakado, et al.	
		US-6,737,604	05/18/2004	Yamazaki, et al.	
		US-6,743,649	06/01/2004	Yamazaki, et al.	

FOREIGN PATENT DOCUMENTS						
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		Country Code <sup>4</sup> Number <sup>4</sup> Kind Code <sup>2</sup> (if known)				
JS		JP-05-109737	04-30-1993	Yamada		FULL
		JP-06-151414	05-31-1994	Yamada		AB
		JP-07-130652	05-19-1995	Otani, et al.		AB
		JP-07-183540	07-21-1995	Otani, et al.		AB
		JP-09-074207	03-18-1997	Saito		FULL
		JP-10-055951	02-24-1998	Yoshizawa		AB
		JP-2000-105081	04-11-2000	Takahashi		AB
		JP-2000-260777	09-22-2000	Linn		AB
		JP-2001-210828	08-03-2001	Miyasaka		AB
		JP-2001-267264	09-28-2001	Horiuchi, et al.		AB
		JP-3032801	02-18-2002	Takano, et al.		AB

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>3</sup>
JS		Kevin S. Jones, et al., "Boron Diffusion Upon Annealing of Laser Thermal Processed Silicon", ION Implantation Technology 2000 (IEEE 2000), pp. 111-114.	
		Lung S. Lee, et al., "Argon Ion-Implantation on Polysilicon or Amorphous-Silicon for Boron Penetration Suppression in p <sup>+</sup> pMOSFET", IEEE Transactions on Electron Devices, Volume 45, No. 8, August 1998, pp. 1737-1744.	
JS		D. J. Llewellyn, et al., "Implantation and annealing of Cu in InP for electrical isolation: microstructural characterization", IEEE Electron Device Letters, pp. 313-316, 1997	
JS		M. Miyake, et al., "Characteristics of Buried-Channel pMOS Devices With Shallow Counter-Doped Layers Fabricated Using Channel Preamorphization", IEEE Transactions on Electron Devices, Volume 43, No. 3, March 1996, pp. 444-449.	

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